

[0081]                    SECURE, REAL-TIME APPLICATION  
EXECUTION CONTROL SYSTEM AND METHODS

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[0083]                    Abstract of the Invention

[0084]                    A security server qualifies the execution of programs for networked host computer systems using a database storing pre-qualified program signatures and defined policy rules associating execution permission qualifiers with execution control values. The server executes a control program in response to execution requests received via a communications network interface from identifiable hosts, wherein a predetermined execution request received from a predetermined host computer system includes an identification of a program load request, request context related data, and a secure program signature. The control program determines an execution control value based on an evaluation of the execution request relative to the pre-qualified program signatures and defined policy rules. The execution control value is then returned to the predetermined host computer system to securely qualify the execution of the program identified from the program load request.